

Nuclear Material Stabilization and Disposition (RL-0011)

**D. B. Klos, Vice President of Plutonium
Finishing Plant Closure Project/
(509) 373-3574**



241-ZB Isolation of Drain



241-Z Drilling Exhaust Duct



Leak Test of 9975 Containers

Overview

This section addresses work in Project Baseline Summary RL-0011, *Nuclear Material Stabilization and Disposition*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of March 2007.

Notable Accomplishments

Disposition the Plutonium Finishing Plant (PFP) Facility

- Completed 241-Z ready for demolition on swing shift March 29, 2007
- Design Authority for 9975 shipping containers witnessed the maintenance and leak test of ten 9975 containers
 - DA issued a letter of authorization to PFP to perform maintenance and leak test of 9975
 - To-date, a total of 47 9975 containers have had maintenance and leak test performed
- Continued process equipment removal from gloveboxes 179-6, 227S and 230C-4
- The HC-11 conveyor is approximately 50 percent removed
- Approved HNF-32545, 216-Z-9 Soil Removal Structures Supplement to the Data Quality Objectives for the Plutonium Finishing Plant Above-grade Structures

FY 2007 Funds vs. Spend Forecast (\$M)

	Projected FY 2007 Funding	FY 2007 Fiscal Year Spend Forecast	Variance
Nuclear Materials Stabilization and Disposition	\$ 98.3	\$ 98.2	\$ 0.1

Schedule/Cost Performance (\$M)

Nuclear Materials Stabilization & Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
Current Period (Month)	\$9.4	\$10.7	\$8.3	\$1.3	13.5%	\$2.4	22.7%	\$91.7
Cumulative to Date (FY 2004 - Present)	\$519.8	\$527.9	\$499.7	\$8.2	1.6%	\$28.3	5.4%	\$654.9

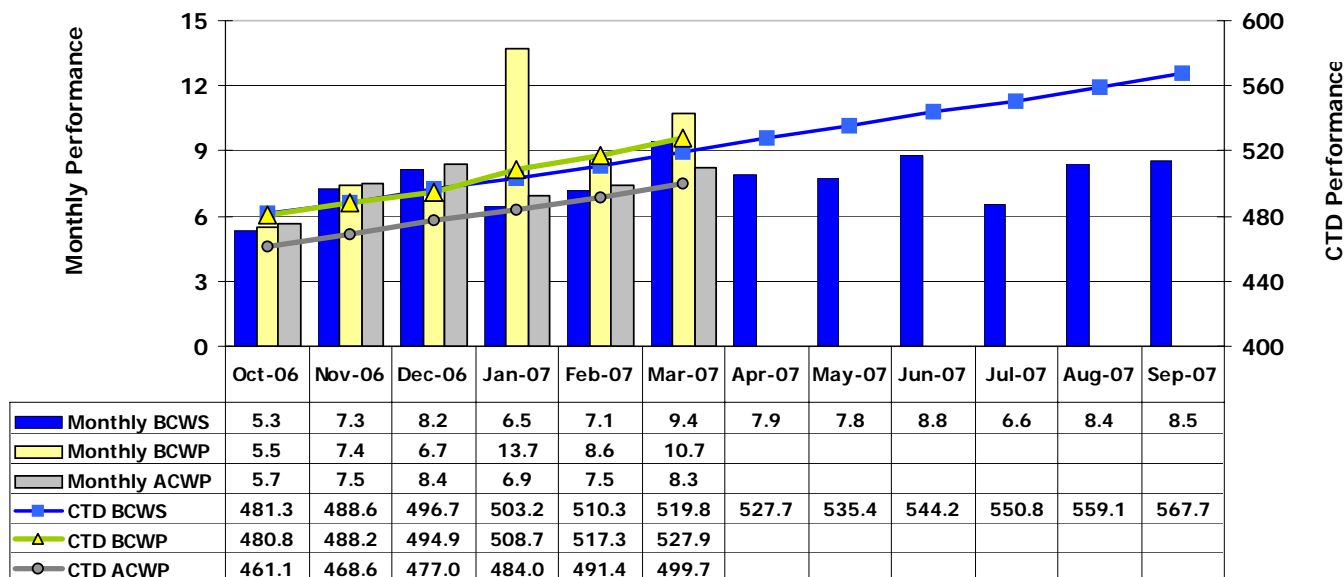
Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

Schedule/Cost Performance (\$M), continued

CTD Schedule Performance: (\$8.2M/1.6%): Positive schedule variance is due to accelerated progress on planning and glovebox cleanout in the 234-5Z facility, and associated apportioned support activities.

CTD Cost Performance: (\$28.3M/5.4%): The positive cost variance is due primarily to work efficiencies in 234-5Z glovebox cleanout, and an enhanced approach to 241-Z cell stabilization and apportioned support activities.

Performance Analysis CTD and Monthly (\$M)



Milestone Achievement

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
TRP-06-533	RCRA Closure Activities Completed For Each 241Z Cell With RCRA Permitted Tanks	PI	10/30/06	10/26/06		Complete
TRP-06-537	234-5Z Roof Repair Completed	PI	3/31/07	9/28/06		Complete
TRP-07-501	Complete Internal Cleanout of Eight Gloveboxes by September 30, 2007	PI	9/30/07		9/30/07	On Schedule
TRP-07-502	Operator Certification and Professional Engineer Certification on the RCRA 241-Z Closure Submitted to DOE	PI	3/30/07	12/8/06	12/8/06	Complete
TRP-07-503	241-Z Transitioned to Demolition Ready Condition	PI	6/30/07	3/29/07		Complete
TRP-07-504	241-Z Demolished to Slab-On-Grade	PI	9/30/07		6/30/07	Ahead of Schedule
TRP-08-004	Removal Action Work Plan for the 216-Z-9 Crib Complex Submitted to DOE	PI	9/30/08		9/30/08	On Schedule
TRP-08-005	Implement the Necessary Lay-up Activities to Place PFP in a Safe Configuration Until D&D Resumes	PI	9/30/08		9/30/08	On Schedule
TRP-08-025	Complete 216-Z-9 Facility Condition Analysis by 30 September 2008	PI	9/30/08		11/30/07	Ahead of Schedule
TRP-11-502	Complete Closure of the PFP 241-Z TSD Unit	TPA	9/30/11	2/22/07	2/8/07	Complete
TRP-11-503	Complete Transition and Dismantlement of 241-Z Waste Treatment Facility	TPA	9/30/11		6/30/07	Ahead of Schedule